



# CANDLEWOOD LAKE AUTHORITY

P.O. BOX 37 • SHERMAN, CONNECTICUT 06784-0037 • (860) 354-6928 • FAX (860) 350 5611

## Minutes of Regular Meeting June 10, 2015

### Attending:

P. Schaer	Sherman
H. Berger	Sherman
P. Eng	New Milford
M. Toussaint	New Milford
J. Wodarski	New Milford
W. Lohan	Brookfield
B. Brown	Brookfield
J. Murphy	Brookfield
C. Robinson	Danbury
D. Rosemark	Danbury
E. Siergiej	Danbury
J. Hodge	New Fairfield
J. Keating	New Fairfield (7:37 PM)

### Absent:

G. Linkletter	Sherman
B. Kemble	New Fairfield
L. Marsicano, CLA Executive Director	

F. Frattini, CLA Administrative Coordinator  
M. Howarth, CLA Public Education Director

Recorder: H. Berger

Guests: S. Wodarski, New Milford, D. Eng, New Milford and  
S. Sarbello, Danbury

Phyllis Schaer, Chairman, called the regular meeting of the Candlewood Lake Authority to order at 7:34 P.M. at Brookfield Town Hall, Brookfield, CT. She welcomed the guests.

**Secretary's Report:** Howie Berger, Secretary, noted that he had no changes to the minutes of the May 13, 2015 regular meeting. *Mark Toussaint made a motion to accept the minutes of the May 13, 2015 regular meeting as written, seconded by Jerry Murphy and voted with all in favor and Peter Eng and Dan Rosemark abstained. Minutes have been accepted as written.*

**Chairman's Report:** Mrs. Schaer reported that the Grass Carp stocking and tagging of 50 fish for weekly tracking is moving forward. A grant has been received for the tracking project and the DEEP supports this program to help understand the movement of the fish in the lake. She will be speaking at Ball Pond on Saturday; the summer appeal letter that Public Awareness is working on will be going out soon.

Jack Keating arrived at 7:37PM.

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DANBURY TOWN CLERK

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BY: 

She has met with Len Green of FirstLight Power and will be looking at programs where the CLA and FirstLight can work together with a more compatible relationship. She and Mr. Marsicano had met with Praxair regarding the experimental program to kill the Zebra Mussel Veligers, this program if successful will help to protect Candlewood and help to free the restriction on the spring pump-up, this will also provide a way for the FLPR to protect their racks and gates. For Praxair this can be a financial and developmental benefit to them across the country.

Mrs. Schaer reported that there have been two committee changes – Mark Toussaint will be leaving the Public Awareness Committee and moving to the Watershed Management Committee and George Linkletter has agreed to be the Chairman of the Public Awareness Committee. As committee chairs need delegate approval, *Ed Siergiej moved to approve Mr. Linkletter as the new Public Awareness Committee Chairman, seconded by Peter Eng, and voted with all in favor, Mr. Linkletter is now the Chairman of the Public Awareness Committee.*

Discussion followed on the Grass Carp tracking program, Mrs. Schaer noted that the cost of the program is between eight to twelve thousand dollars. The stocking sites have been decided with the advice and direction of DEEP and ten sites have been approved for the stocking. The 3800 fish should arrive on June 26<sup>th</sup> and fifty will be held back for the tracking program. Ed Siergiej spoke about his involvement with the stocking of Tauton Lake. Delegates were asked to discuss the stocking program with their communities and Towns, facts sheets are available from the CLA office to help the public be comfortable with the fish. Mark Howarth advised that a Newsletter will go out announcing the arrival of the fish and on a FAQ sheet on the Crass Carp. Info can be sent to the Towns for them to include on their websites. Name a fish/Adopt a fish was discussed as a possible fundraiser and also limiting tis to the “tracked” fish.

Mrs. Schaer asked the delegates to review the report of activities by committee that were included with the June Executive Committee Meeting minutes.

**Vice Chairman’s Report:** Mark Toussaint reported that the summer appeal should be going out in the next few days. There will be publicity around the release of the Grass Carp including inviting CEO’s, elected officials and the media – need to meet with Mr. Marsicano to firm up the details. We need to capture the event with pictures, video and website info.

**Treasurer’s Report:** Bill Lohan, Treasurer, reported that finances are doing well and committees including miscellaneous expenses are about 90% spent to date. Mr. Lohan reported that there was an unanticipated legal expense of \$2800.00 for the opinion of the release of the restricted funds. *Dan Rosemark made a motion to approve the Treasurer’s Report of Income and Expenses for the month ended May 31, 2015 as presented, motion seconded by Bill Brown and voted with all in favor. Motion carried and Treasurer’s Report of Income and Expenses for the month ended May 31, 2015 has been filed for audit.*

**Executive Director:** Mr. Marsicano was called away to a family emergency and his report is attached to these minutes. Mrs. Schaer noted that boats are still needed for Project CLEAR to transport the students the week of June 22<sup>nd</sup>.

**Public Education Director:** Mark Howarth advised that his report is attached to these minutes. He noted that he went out to observe the DEEP electro-fishing and explained the procedure. He advised that the CLEAN UP went well and gave Mr. Marsicano all the credit for organizing the boats, captains and crews for the event, which filled one and one half thirty yard dumpsters. The Town of New Fairfield Public Works was a great help and the BBQ was great success. A large amount of debris was removed from Pine Island and there is still more to go. He reported that LL Bean has donated 135 water bottles for Project CLEAR. The CLA will be at Village Fair Days (July 24 & 25) and volunteers are needed for 4-hour shifts. Preparations for the Dragon Boat Race on August 15<sup>th</sup> are under way. Over the past weekend he attended LL Bean's Paddle Sports weekend with a CLA table.

### **Committee Reports:**

**Public Safety:** Jerry Murphy reported that the Committee had met. They discussed the new radios and the delegate ride-along idea. Please contact the office to set a convenient time to ride with a Lake Patrol Officer. A Patrol officer and Mr. Murphy participated in the Brookfield VFD Kid's Day and an officer will be participating at the Sherman School this Friday.

**Equipment/Facilities:** Ed Siergiej reported that the spring has been busy: the docks, buoys and boats are all in. The new state radios are in use and installed in McKee II and presently being installed in McKee I – he has heard that the performance is excellent. With a grant received from FLPR he has ordered ten new buoys from the new supplier located in Connecticut – these are more rugged, larger diameter and taller. He wanted to thank Bruce Kemble for his help with replacing the water pump on McKee II, CLA purchased the parts and he helped with the installation. Mr. Siergiej added that the CLA is fortunate to have such an experienced marine mechanic on the CLA. Also, the roof on ARK II will be replaced this season.

**Public Awareness:** Mrs. Schaer thanked Mr. Toussaint for all his time and efforts as Chairman of the Public Awareness Committee noting that Mr. Linkletter has some big shoes to fill.

**Watershed Management Committee:** Howie Berger, Committee Chair noted that most of his report has been covered, Project CLEAR has been the main focus, water sampling has begun for the season, they are looking in to purchasing more ESRI-GIS system licenses for more uses such as the property analysis, and the Secchi disk tracking. There was a blue-green algae bloom in Squantz Pond last week and Mr. Marsicano was there and took a sample. The DEEP closed the park at that time. Squantz Pond has been added to the weed mapping that is done by FLPR. Water Chestnut has been found in Lake Lillinonah. The zebra mussel billboard is up on Route 37.

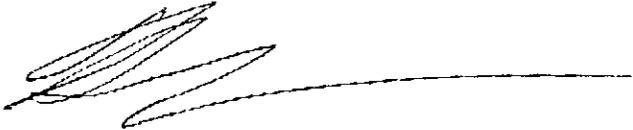
**Old Business/New Business:** Mr. Rosemark asked about the progress of the bench at Vaughn's Neck in honor of Harold Mayer – Mrs. Schaer reported that she and

Mr. Marsicano found a site at the end of Vaughn's Neck with vistas of the lake and they will need NU approval. She will follow up on this.

**Any and All Business:**

With no further business to come before the Candlewood Lake Authority, *John Hodge moved to adjourn, seconded by Jerry Murphy, and voted with all in favor.*  
*Meeting adjourned at 8:39 P. M.*

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Howie Berger', followed by a long horizontal line extending to the right.

Howie Berger, Secretary  
Frances Frattini, Administrative Coordinator

r/b/lm

*These minutes are not considered official until they  
have been approved at the next regularly scheduled  
meeting of the Candlewood Lake Authority.*



# CANDLEWOOD LAKE AUTHORITY

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## ***Executive Director's Report***

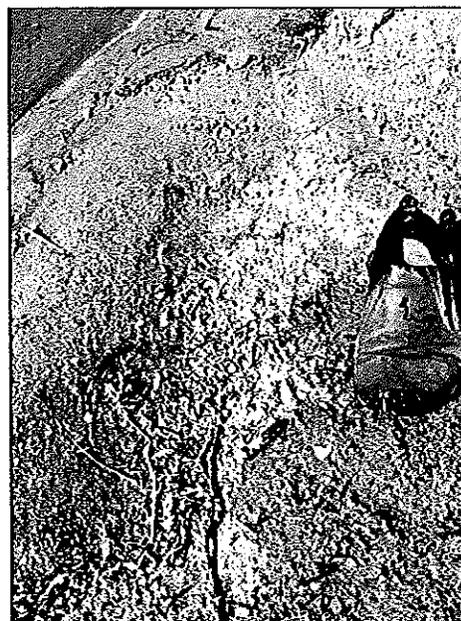
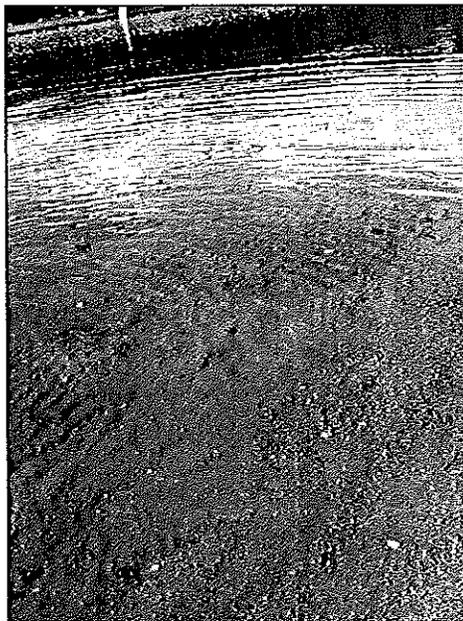
***June 8, 2015***

***Larry Marsicano***

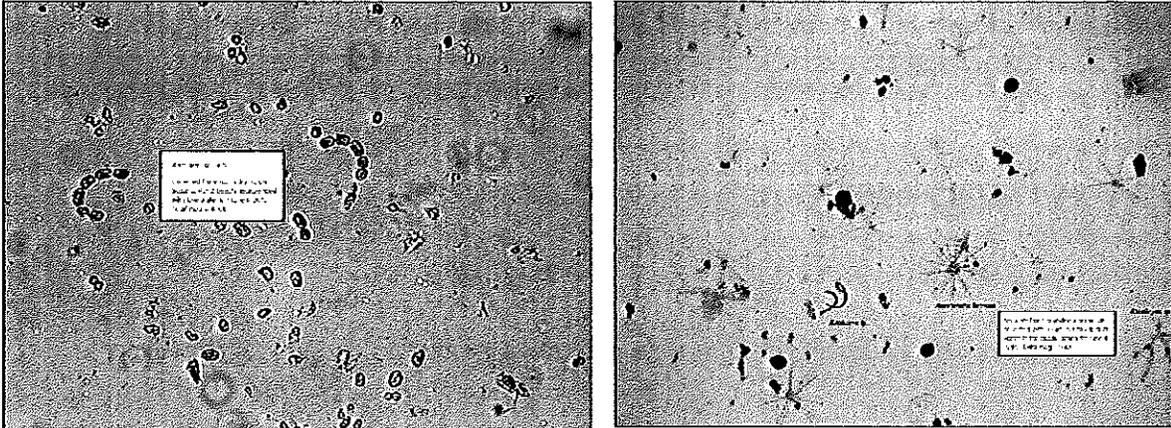
*The following report summarizes Executive Director activities from May 11, 2015 to June 8, 2015*

### ***Cyanobacteria Bloom at Squantz Pond***

On Thursday, June 4<sup>th</sup> I received a call from NF Director of Health Tim Simpkins who informed me that the CT DEEP has closed the Squantz Pond beach due to a stage 3 cyanobacteria bloom. I visited the site at approximately 4:00pm and found no bloom in the water but evidence of an earlier bloom in the sand along the water's edge. I sampled the remnant algae in the sand, resuspended it, and also took a net sample in several feet of water. I analyzed both microscopically that night. The algae in the sand was clearly cyanobacteria, however the lake water net sample was not indicative of a bloom and had a diverse community that included diatoms, chrysophytes, greens and blue-greens. I reported these findings to the NF Health Director and the CT DEEP as well as the data collected from Squantz on May 28<sup>th</sup>. I have tentatively scheduled to revisit the site with the Tim Simpkins during the week of June 8<sup>th</sup>.



Photograph to the left shows the clarity at the Squantz Pond Beach at approximately 4:30pm on June 4, 2015. Photograph to the right shows the remnant bloom along the shoreline at the same location and time.



Photograph to the left shows cyanobacteria cells (largely *Anabaena* sp.) collected along the water's edge and re-suspended with water from the lake at approximately 4:30pm on June 4, 2015. Photograph to the right planktonic community collected with a 10  $\mu$ m net in approximately 2 feet of water at the same location and time.

For the last year I have been encouraging WCSU faculty researchers to investigate cyanobacteria and cyanotoxins in Candlewood Lake. I recently reviewed a grant application submitted by Dr. Ed Wong who later received a small grant to initiate a study. From samples we will collect for him, Dr. Wong will be isolating genomic DNA and RNA from cyanobacterial. This will allow him to assay for the presence of not only toxin genes, but expression of the genes as RNA products.

#### ***Water Quality Monitoring***

The water quality monitoring program resumed at Squantz Pond and Candlewood Lake on Thursday, May 28<sup>th</sup> and Friday, May 29<sup>th</sup>, respectively. The field instrumentation was calibrated earlier in the week at HydroTechnologies.

#### ***Aquatic Invasive Species Initiatives***

On Sunday, May 17<sup>th</sup> I attended the Lavelle Avenue Tax District Annual Meeting and discussed CLA's AIS initiatives. This included zebra mussel efforts and the upcoming triploid grass carp (TGC) stocking. Communities on Squantz were hoping some of the TGC would be stocked in Squantz. I did bring this up to the CT DEEP. Unlike at Candlewood where we have eight years of weed mapping, Squantz Pond does not have that kind of data. It is not mapped annually like that performed at Candlewood Lake per the FERC license. I provided some recommendations including how they might get weeds mapped.

On Monday, June 1<sup>st</sup> we received our permit for importation and liberation of the TGC. There continues to be much work in planning the stocking event scheduled for Friday, June 26<sup>th</sup>. The supplier will be shipping from Arkansas approximately 3,900 triploid grass carp fish in a "stretched" truck. We will also be using services of the Rowledge Pond Aquaculture to stock. Todd Bobowick from Rowledge Pond, George Buck of Ball Pond and I visited potential stocking sites on Wednesday, June 3<sup>rd</sup>.

Dr. Theodora Pinou and I continue to work out plans to study the movement of the TGC via radio transmitter tracking. In mid May Dr. Pinou and I met with staff from the CT DEEP Inland Fisheries Division to discuss the proposed project. We have also started discussions with a veterinarian with expertise with fish in the hopes he can be the person to implant the transmitters. Implanting transmitters would occur following the stocking of the fish followed by a four day recovery and then stocking of the "tagged" fish in Candlewood.

On Thursday, June 4<sup>th</sup> Phyllis and I met for lunch with directors from Praxair to discuss the proposed CO<sub>2</sub> study in conjunction with Dr. Kevin Kelly, CT DEEP and WCSU. The lunch meeting was coordinated by Mr. Stephen Bull, President of the Greater Danbury Chamber of Commerce. The meeting was very productive, they encouraged us to move forward, and will be making a commitment to the project. We need to follow up to understand exactly how much they will be committing. We may need to get additional grant funding. The project would not occur until the summer of 2016.

#### ***John Marsicano Memorial Candlewood Lake Clean Up***

On Thursday night, May 14<sup>th</sup> we held the Clean Up Captain's meeting. On Saturday, May 16<sup>th</sup> we held the 15<sup>th</sup> Candlewood Lake Clean Up in the last 17 years. Volunteer numbers exceeded 150, including 30 who piloted their own boats or boats donated by Echo Bay Marina. Volunteers were treated to lunch provided by restaurants including Chucks/Bulls Bridge Inn, Rosy Tomorrows, Two Steps, Widow Browns, Cookhouse, Augies #1, Paradise Foods, Sherman IGA and New Fairfield Stop and Shop.

We were asked by the Town of New Fairfield to assist in removing building materials from Pine Island. Our ARK and New Fairfield High School students removed enough materials to fill a second 30 yard dumpster provided by FirstLight. Two 30 yard dumpsters were nearly filled in total.

#### ***FirstLight Funding***

On May 19<sup>th</sup> I was contacted by Michael Bednarczyk from US Senator Chris Murphy's office who conveyed that FirstLight had decided to contribute the full \$50,000 dollars above and beyond the grants we had received. During the week of June 1<sup>st</sup> Phyllis contacted Len Greene of FirstLight who confirmed that was the case.

#### ***Other***

On Sunday, May 24<sup>th</sup> we participated in the Sherman Memorial Day Parade. On Friday, June 5<sup>th</sup> I participated in a career day event at Hill and Plain Elementary School in New Milford.



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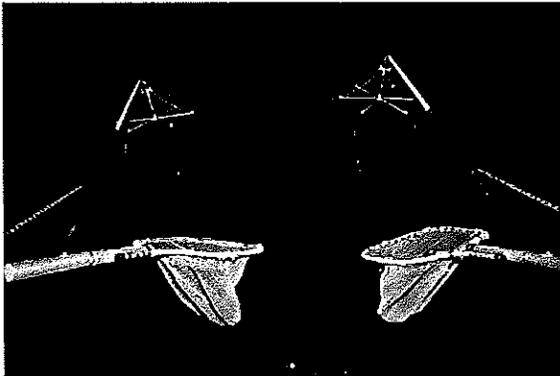
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**June 10, 2015**  
**Public Education**  
**Mark Howarth**

## Electroshock Fishing With the CT DEEP:

On May 28<sup>th</sup>, I went out with the CT DEEP to see how they do their electroshock fish studies on Candlewood. We were out from roughly 8pm until 1am, and surveyed 6 zones. The CT DEEP does this on CT lakes in an effort to study the health of the fish community as well as to look for trends.

They used a crew of five people that night to do their study. Two who net the fish, one driving the boat, one measuring the fish and identifying them and lastly one person to record all of the data.



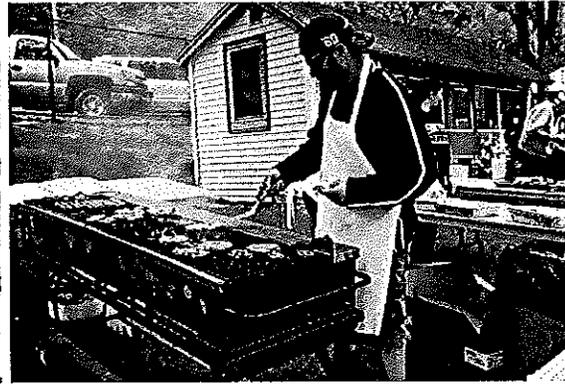
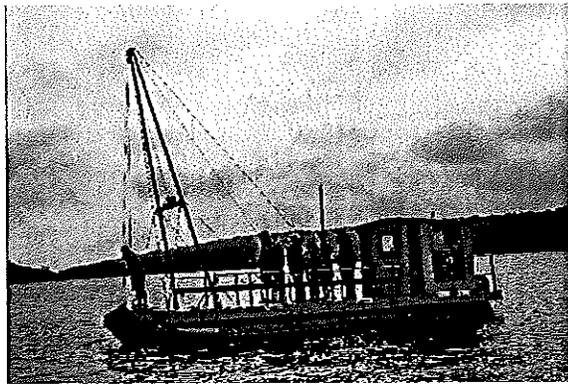
**2015 Candlewood Lake Clean Up:**

The 2015 Clean Up was another success. As always, Larry pulled together his fleet of boat captains and boats to help transport volunteers, and gathered the restaurants to donate food for the lunch. They collected tons of debris – over 1.5 of two 30-yard dumpsters were filled that day.

Despite the overnight rain and gloomy start to the day, we had around 150 volunteers that day. As always, we had a large number of Project CLEAR students helping out.

In addition, we had many great sponsors who joined us this year to help make this event possible.

Here are a few photos of the day.



**Clean Up Sponsor Banner**

<p>Thank you for your support!</p> <p><b>2015 CANDLEWOOD LAKE CLEAN UP</b></p> <p>John Mariscano Memorial</p>	 <b>FirstLight</b> GDF SUEZ	 <b>HARVEY TUCKER &amp; SONS, INC.</b> DOCK SPECIALISTS	 <b>Winters Bros.</b> WASTE SYSTEMS, INC. <small>Keep It Right, for a Better Day Tomorrow!</small>	 <b>Echo Bay Marina</b>
	 <b>Brookfield Bay Marina</b>	 <b>Mitchell</b> Since 1945.	 <b>COLDWELL BANKER</b> Chris Robinson (203) 312-6196	 <b>MATSON</b> FINANCIAL ADVISORS, INC.
 <b>Independent</b> 203.733.3988	 <b>ADMIRAL</b>	 <b>Ray &amp; Lisa Haller</b>	<div style="border: 1px solid black; padding: 5px;"> <p><b>Lunch Sponsors</b></p> <p>           Chuck's Steak House / Bulls Bridge Inn            Rosy Tomorrows • Augie's Numero #1            Two Steps Downtown Grille • US Foodservice            Widow Brown's Cafe • Sysco Corporation            The American Pie Company, Inc. • Sherman 1GA            The Cookhouse • WRKI 193FM Radio • Paradise Foods         </p> </div>	

New Fairfield Motel • Blue Water Marine • Torre Lumber • Candlewood Dental Care • Danbury Oral & Maxillofacial Surgery  
 Bank Street Theater • Greater Danbury Center for Endodontics • Aquacleaner Connecticut • Harvey S. Miller DMD

## Clean Up Shirt Backs

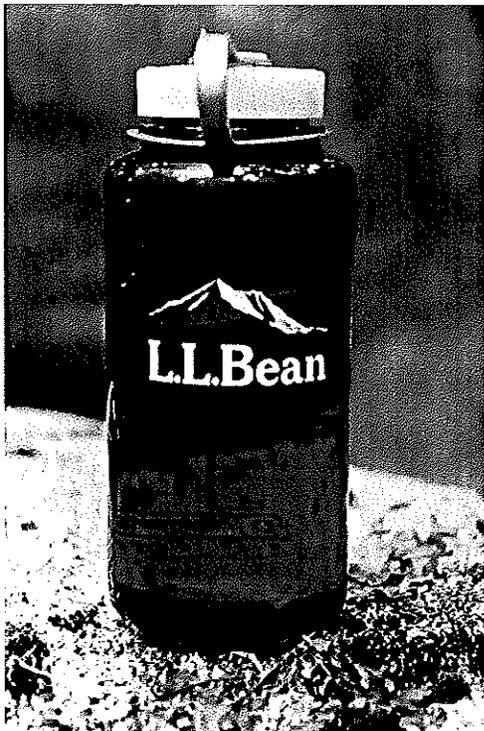


## Clean Up Shirt Fronts



### Project CLEAR Bottles:

We are thankful again that LL Bean in Danbury has donated 135 of their water bottles to the program for the students to use while out on Candlewood for the week. This donation is very helpful in a time of reduced grant money available to the program.



### Preparation for 2015 Dragon Boat Races:

Work for the 2015 races is in full swing. Our group is working to bring in new teams through face-to-face meetings promoting the event.

In addition, all of the planning and promotion is continuing in an effort to make our 7<sup>th</sup> year a great one.

We are always looking for new teams to join us to experience the thrill of dragon boating.

**LL Bean Appearance:**

On Saturday, June 6<sup>th</sup>, the CLA took part on LLBean's "Paddlesports Weekend" at the Danbury Fair Mall. We had a table and presentation titled "Protecting our Paddling Waters. How to prevent the spread of invasive species".

Visitors came by the table to talk to us about what we do at the CLA and also learn about invasive species such as zebra mussels and invasive plants, and how to prevent spreading them from one body of water to another.

